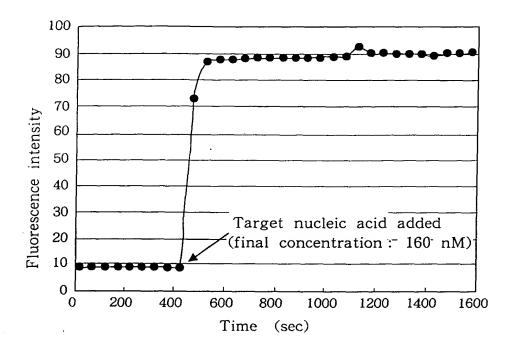
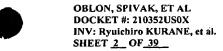
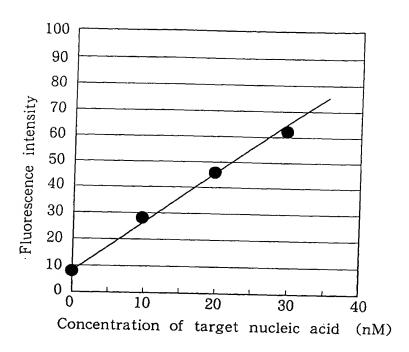


Fig. 1



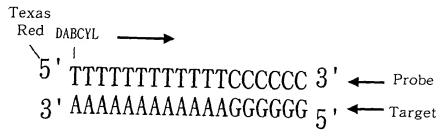


F i g. -2 -----



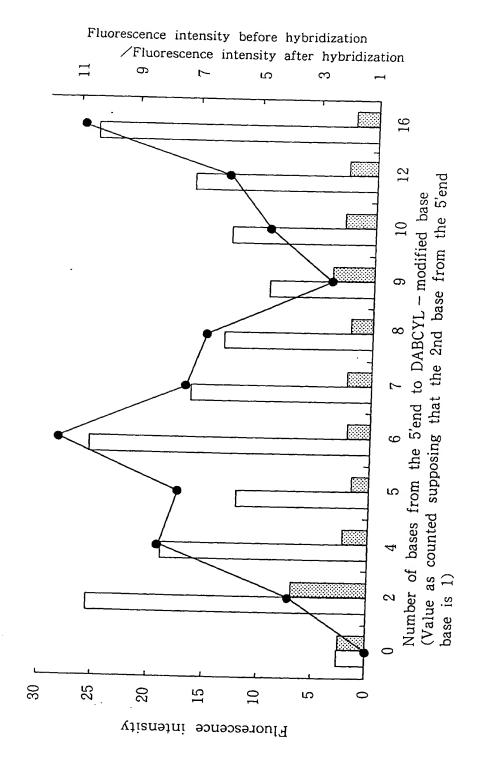
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Fig. 3



(Probe and target when the base interval is zero base)

(Probe and target when the base interval is 16 bases)



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Fig. 5

Texas

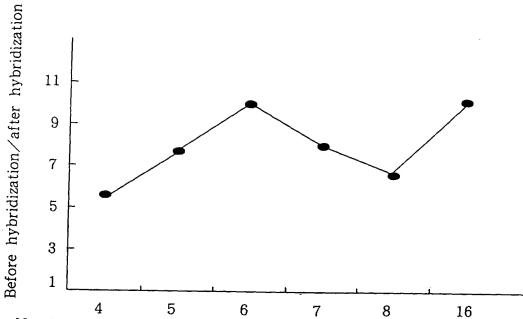
Red DABCYL

5' TTTTTTTTTTTTTCCCCCC 3' Probe

3' AAAAAAAAAAAAAAGGGGGG 5' Target

(Probe and target when the base interval is 6 bases)

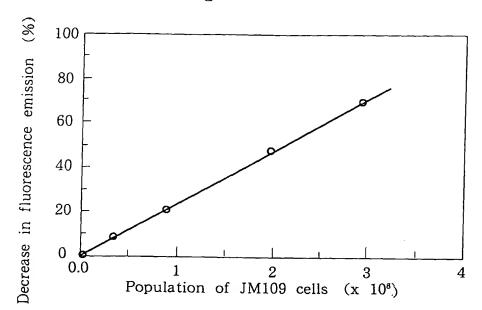




Number of bases from Texas red modified on 3rd T from the 5' end to DABCYL — modified base (Value as counted supposing that the 4th base from the 5' end base is 1)

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F i g. 7



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Fig. 8

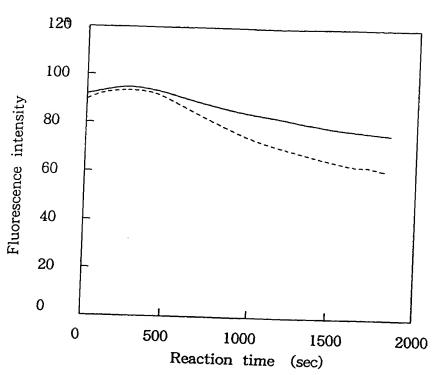
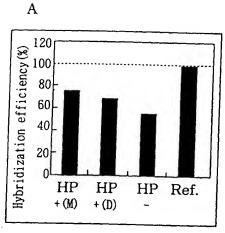
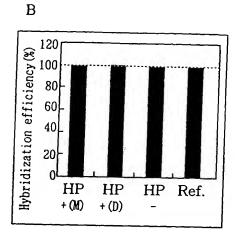
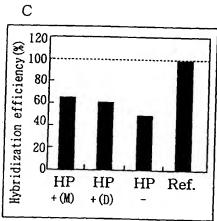
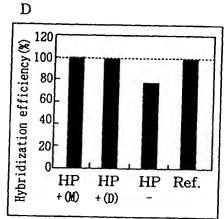


Fig. 9









A: 35 - nucleotides - chained deoxyriboligonucleic acid probe

B:35 - nucleotides - chained 2-O-Me probe

C: 17 - nucleotides - chained deoxyriboligonucleic acid probe

D: 17 - nucleotides - chained 2 - O - Me probe

HP: Helper probe

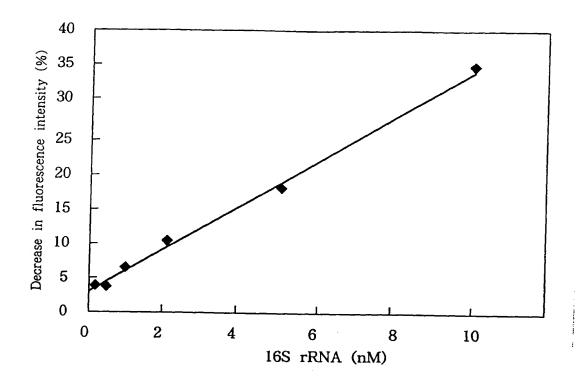
HP + (M) : Helper probe + 2 - O - Me probe

HP + (D): Helper probe + deoxyribooligonucleotide probe

Ref.: Reference

The state of the s

Fig. 10



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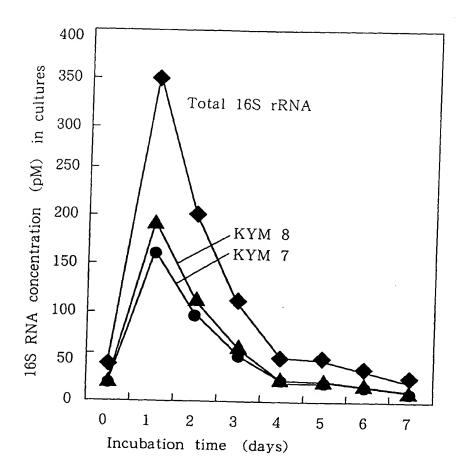
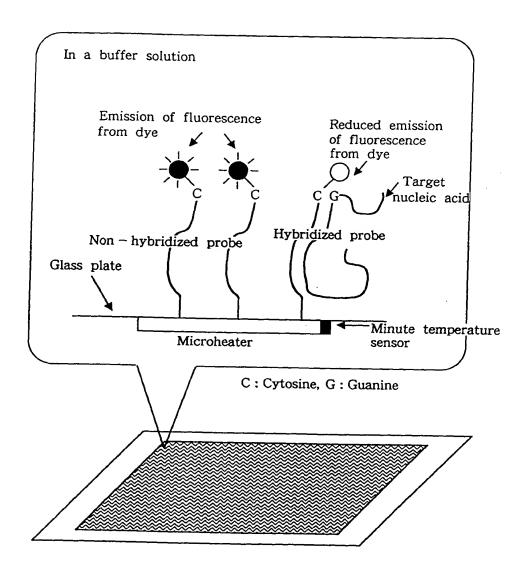
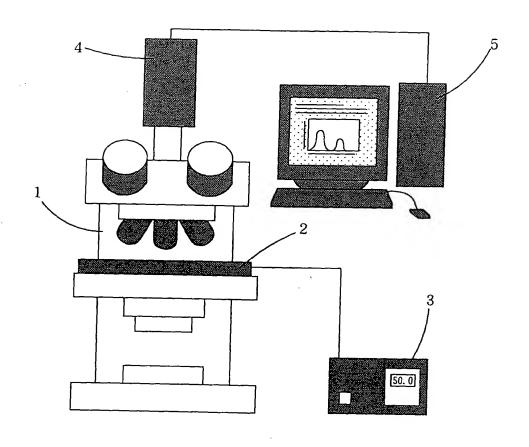


Fig. 12



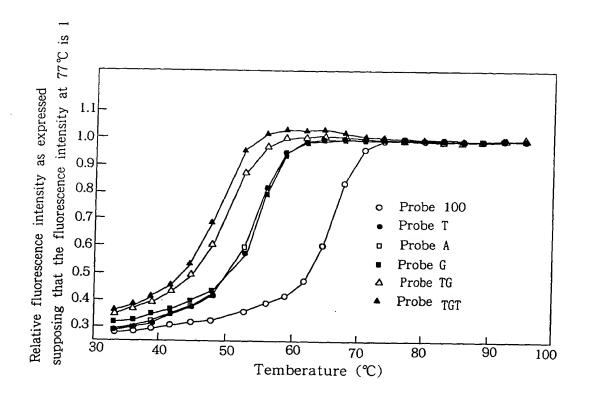
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Fig. 13



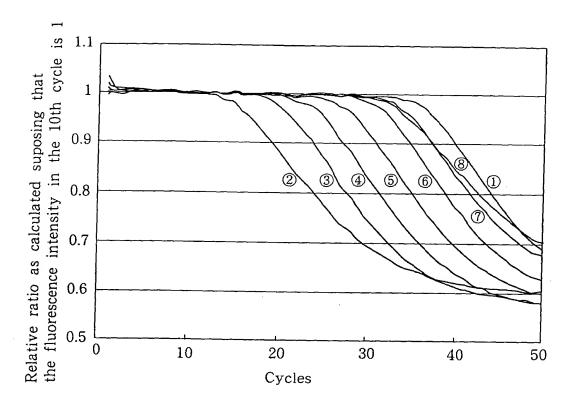
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Fig. 14



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Fig. 15



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Fig. 16

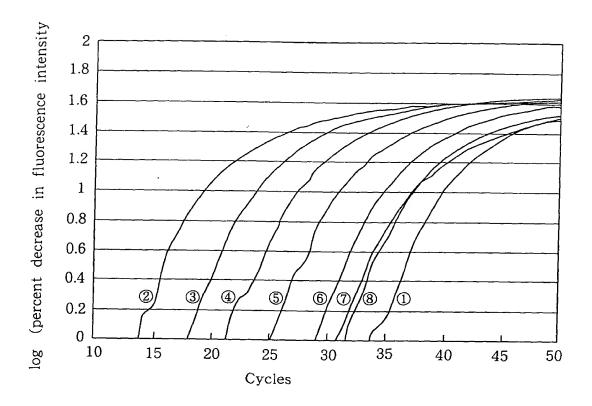
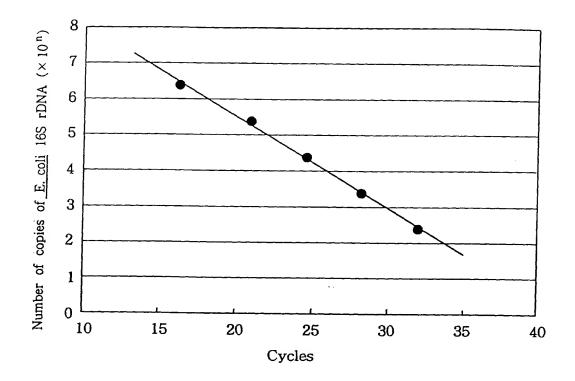
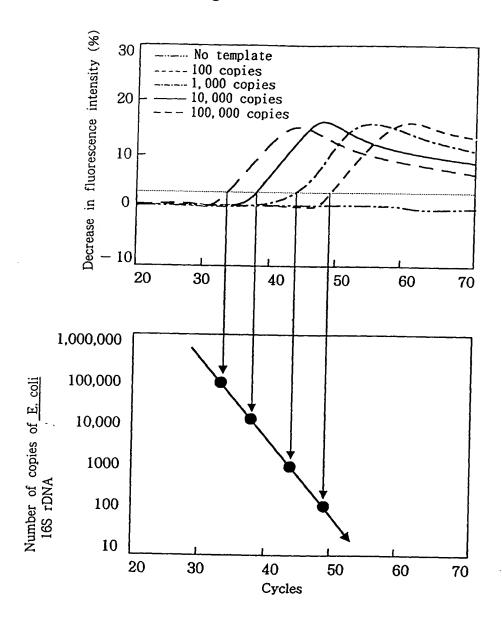


Fig. 17



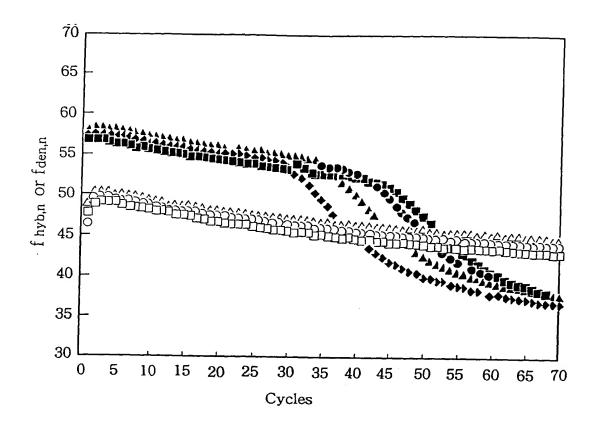
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 18_OF_39_

Fig. 18

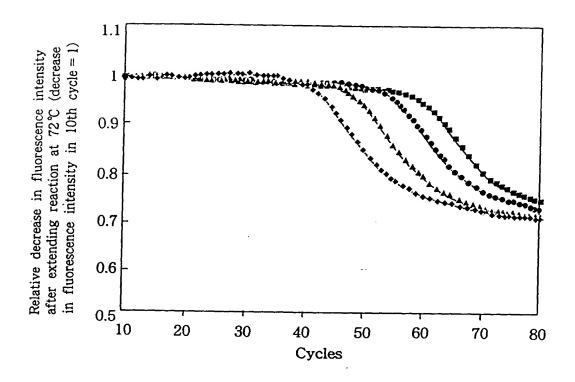


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Fig. 19

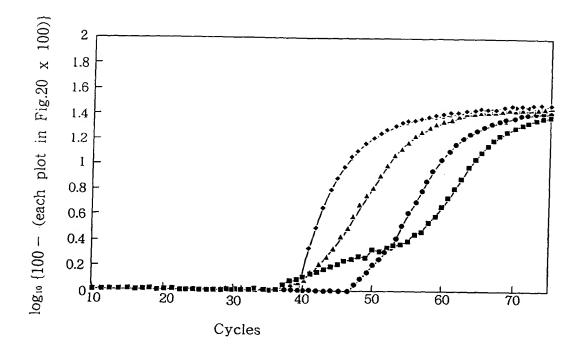


F i g. 20



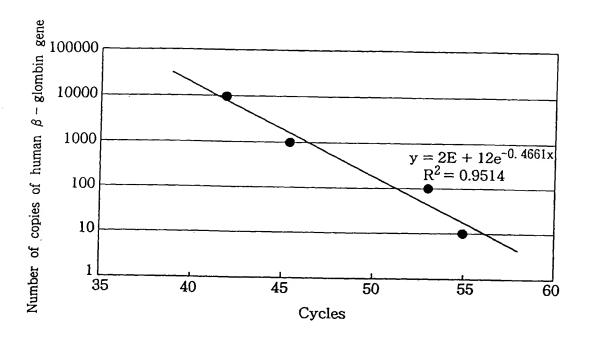
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Fig. 21



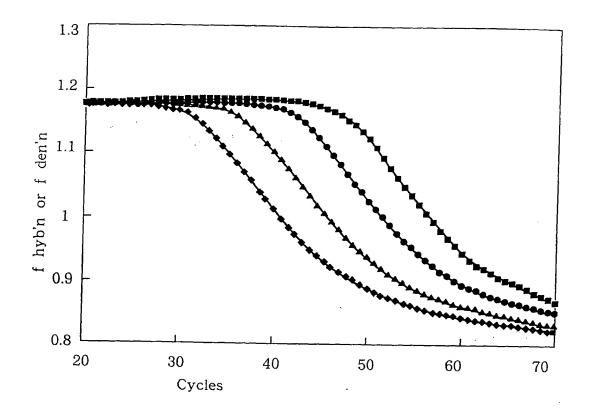
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 22 OF 39

Fig. 22



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Fig. 23

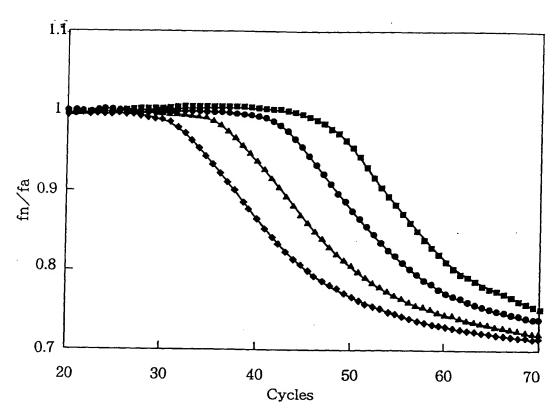


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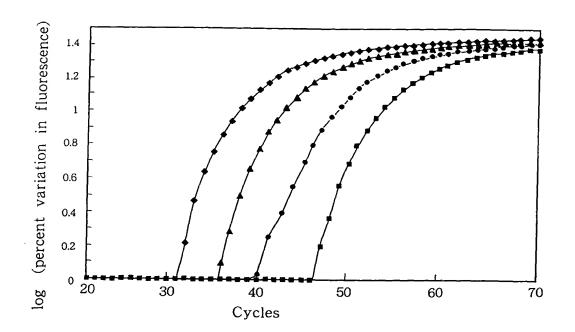
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 24 OF 39

Fig. 24



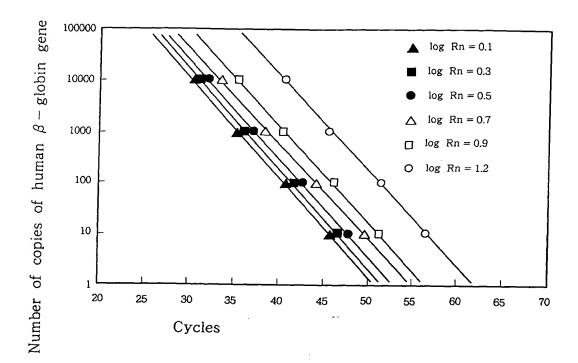
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET <u>25</u> OF <u>39</u>

Fig. 25



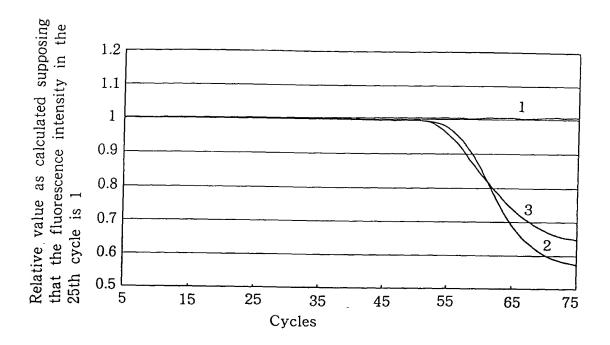
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET <u>26</u> OF <u>39</u>

Fig. 26



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Fig. 27



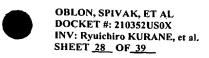
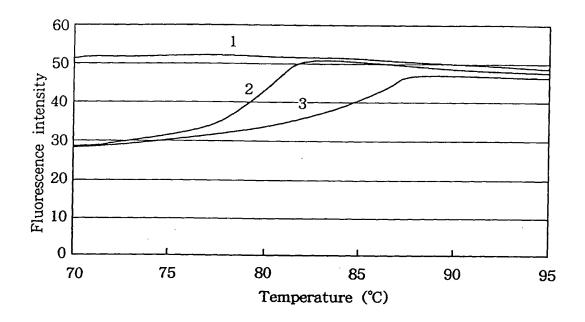


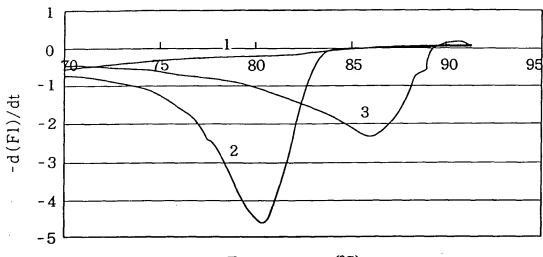
Fig. 28



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Fig. 29

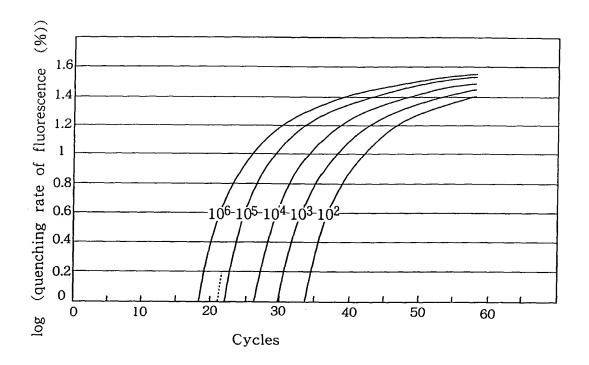


Temperature (°C)



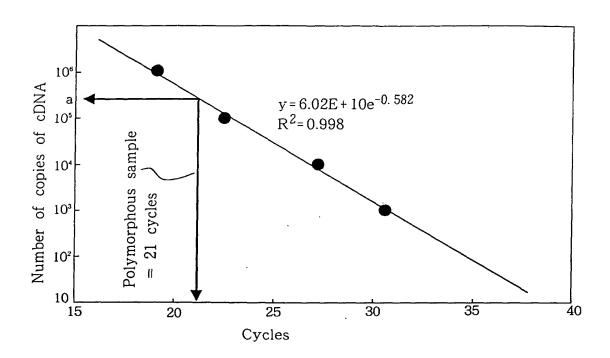
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 30_ OF 39_

F i g. 30



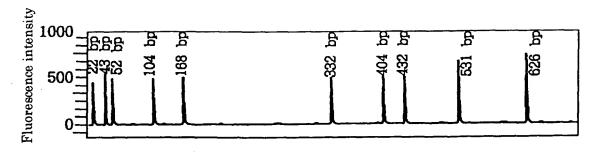
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 31 OF 39

Fig. 31





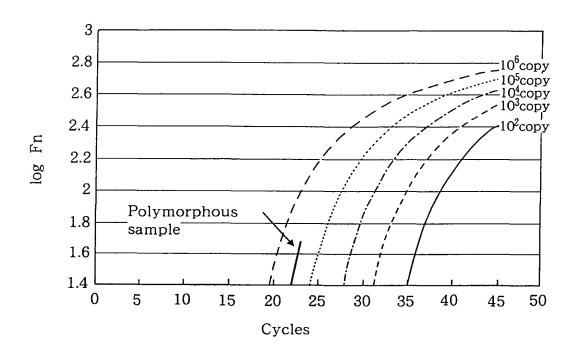
F i g. 32



Number of base pairs

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Fig. 33



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Fig. 34

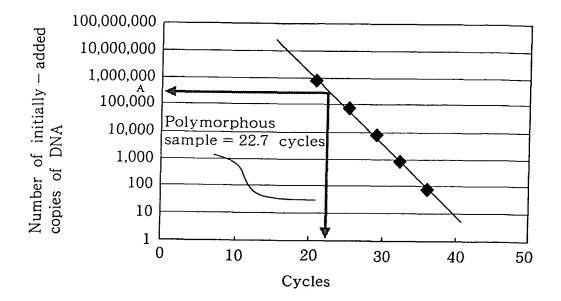
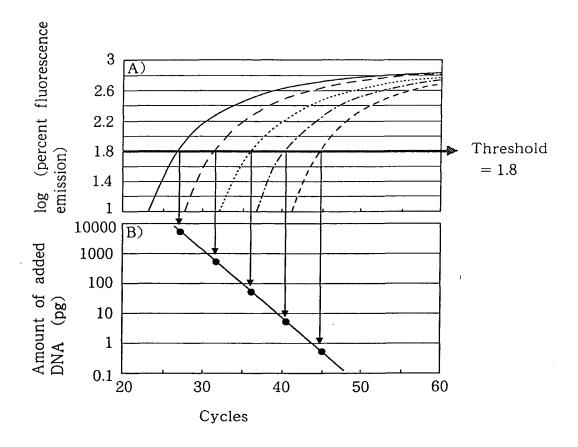


Fig. 35



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 $---F \cdot i-g \cdot \cdot \cdot 3-6$

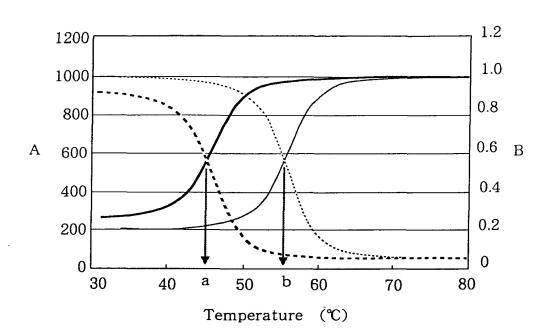


Fig. 37

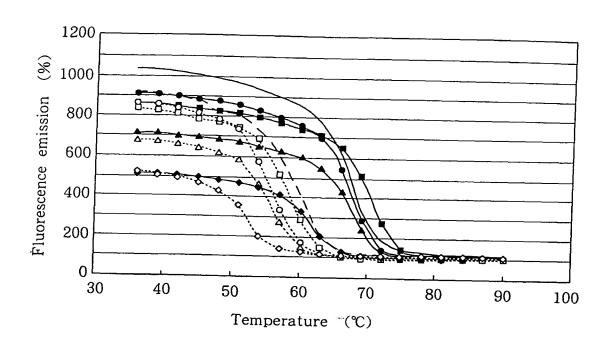
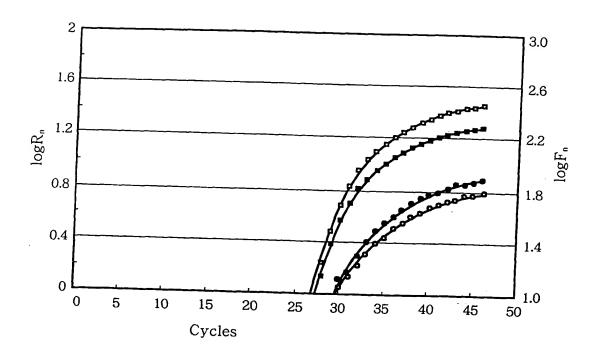


Fig. 38





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Fig. 39

